

- node and a switch control node coupled to the output of the at least one comparator.
2. The electronic system of claim 1, wherein:
 - the at least one capacitance sensor input includes a plurality of capacitance sensor inputs; and
 - the control section is coupled to the plurality of capacitance sensor inputs, and generates sense indication values for each capacitance sensor input, the sense indication values including position information that varies according to capacitance sensor input.
 3. The electronic system of claim 1, wherein:
 - the control section further includes a counter having an input coupled to the output of the comparator that generates a value that varies according to a sensed capacitance at the at least one a capacitance sensor input.
 4. The electronic system of claim 1, wherein:
 - the at least one capacitance sensor input includes a plurality of capacitance sensor inputs, the capacitance sensor inputs being logically divided into groups of capacitance sensors; and
 - the control section generates a position value for each sensor of a same group of capacitance sensors, the position value differing between different groups.
 5. The electronic system of claim 4, wherein:
 - the logical division of the capacitance sensors is programmable, allowing the capacitance sensors for each group to be varied according to group limit values.
 6. The electronic system of claim 4, further including:
 - a sound value generator coupled to receive position values, the sound value generator generating a sound value the varies according to received position value.
 7. The electronic system of claim 6, wherein:
 - the sound value generator comprises a look-up table that stores sound values corresponding to predetermined position values.
 8. The electronic system of claim 6, further including:
 - the control section includes a processor circuit; and
 - the sound value generator includes machine readable media storing instructions executable by the processor, the instructions including a sound value generator section that generates a pitch value based on adding a base sound value to an adjustment value, the adjustment value varying according to a position value.
 9. The electronic system of claim 4, wherein:
 - the control section further includes an encoding section having
 - a note on/off encoder that outputs a note on/off indication in response to the at least one sense indication, and
 - a note number encoder that outputs a note number value in response to at least a received position value.
 10. The electronic system of claim 1, wherein:
 - the at least one capacitance sensor input includes a plurality of capacitance sensor inputs; and
 - the control section includes an input switch coupled between each capacitance sensor input and the sense node.
 11. The electronic system of claim 1, wherein:
 - the at least one sense indication generated by the control section varies according to the rate at which the sensed capacitance changes at the at least one capacitance sensor input.
 12. The electronic system of claim 1, further including:
 - the at least first surface includes a deformable resilient layer formed over at least one capacitance sensor coupled to the at least on capacitance sensor input, the at least one capacitance sensor generating a capacitance value that varies according to a degree of deformation in the deformable resilient layer; and
 - the at least one sense indication generated by the control section varies according to the amount of sensed capacitance at the at least one capacitance sensor.
 13. The electronic system of claim 1, wherein:
 - the at least one capacitance sensor input includes at least two different capacitance sensor inputs; and
 - the control section further includes a dampen signal generator circuit that activates a dampen signal in response to touch inputs being sensed on at least the two different surfaces, the dampen signal altering a sound value generated in response to a previously received percussive input.
 14. The electronic system of claim 1, further including:
 - a sound synthesizer section coupled to receive the at least one sense indication from the control section and generate an audio signal therefrom.
 15. The electronic system of claim 1, wherein:
 - the control section further includes channel identifier circuit that provides a default channel number value corresponding to a percussion instrument of a digital instrument standard.
 16. The electronic system of claim 1, wherein:
 - the control section further includes a parallel-to-serial converter that generates a serial data output value in response to the at least one sense indication.
 17. The electronic system of claim 16, wherein:
 - the parallel-to-serial converter includes a wireless transceiver for transmitting the serial data output values over a wireless connection.
 18. The electronic system of claim 1, further including:
 - the electronic system is housed within a controller device; and
 - a physical connector for receiving a wiring external to the controller device, the connector having at least one data output and at least one power supply input coupled to at least the control section.
 19. The electronic system of claim 1, wherein:
 - the electronic system is housed within a controller device; and
 - a physical connector for having power supply inputs suitable for connection with a battery.
 20. A percussion instrument data generating system, comprising:
 - a plurality of capacitance sensors coupled to at least a first surface;
 - a controller section that includes
 - a plurality of switches for selectively connecting each capacitance sensor to a sense node,
 - a capacitance sense circuit coupled to the sense node that measures capacitance presented at the sense node, and
 - an encoder section that generates a position value for a sensed input event that varies according to at least which capacitance sensor detects the input event.
 21. The system of claim 20, wherein:
 - the at least first surface is formed on a top side of a cymbal shaped object.